

Claims

1. A shelving system comprising:
  - at least one shelf;
  - a support structure having at least two support
  - 5 members that serve to support the shelf; and
  - an electrical component mounted on or in the shelf
  - or a support member;
  - at least one of the support members being arranged
  - to provide two discrete electrically conductive paths,
  - 10 at least one of which is electrically connected to the
  - electrical component to form part of an electrical
  - circuit to power the electrical component.
2. A shelving system according to claim 1, wherein said
  - two discrete electrically conductive paths are both
  - 15 electrically connected to said component, one to either
  - pole of the component, said conductive paths also being
  - connected to respective poles of a power supply to
  - complete the electrical circuit to power said
  - component.
- 20 3. A shelving system according claim 1, comprising:
  - at least two shelves, each having an electrical
  - component mounted thereon;
  - wherein the support structure includes three or more
  - support members, each shelf being supported by at least
  - 25 two of the support members;
  - at least one of the support members providing
  - support for two shelves, one to either side of the
  - support member, and the support member being arranged
  - to provide two discrete electrically conductive paths,
  - 30 one of which is electrically connected to the
  - electrical component on one of said shelves it supports

- and the other is electrically connected to the electrical component on the other of said shelves it supports to form respective parts of electrical circuits to power the electrical components on the two  
5 shelves.
4. A shelving system according to any one of the preceding claims, wherein said at least one support member has a main supporting structure that is electrically  
10 conductive and serves as one of said electrically conductive paths, an electrically conductive element carried by and electrically insulated from the main structure of the support member serving as the other of said electrically conductive paths.
5. A shelving system according to claim 4, wherein said  
15 electrically conductive element is housed within said main support structure.
6. A shelving system according to any one of claims 1 to 3, wherein said at least one support member has a main supporting structure and said two electrically  
20 conductive paths are provided by a pair of electrically conductive elements insulated from one another and carried by said main supporting structure of the support member.
7. A shelving system according to claim 6, wherein said  
25 pair of conductive elements are housed within said main supporting structure.
8. A shelving system according to any one of the preceding claims, wherein two or more shelves of the system having electrical components mounted thereon share the

same electrically conductive paths to power their electrical components.

9. A shelving system according to claim 8, wherein said two or more shelves are mounted one above the other.

3 10. A shelving system according to claim 8, wherein two shelves sharing the same electrically conductive paths are mounted either back-to-back or side-by-side.

11. A shelving system according to any one of the preceding claims, wherein said electrical component is  
10 a lamp, or light source of any kind whatsoever; and/or the power supply being mains, low voltage, extra low voltage, single phase, three phase or any other system of power supply whatsoever.

12. A shelving system comprising:  
15 at least two shelves, each having an electrical component mounted thereon; and  
a support structure including three or more support members, each shelf being supported by at least two of the support members;  
20 at least one of the support members providing support for two shelves, one to either side of the support member, and the support member being arranged to provide a shared electrically conductive path which is electrically connected to both of the electrical  
25 components on said shelves it supports to form respective parts of electrical circuits to power the electrical components on the two shelves.